

Coexistence, Interoperability and Other Terms

- Further clarifications of definitions
- Related terms
- Discussion of terms
- Analogy
- Application of terms
- Proposals

Coexistence and Interoperability

- Coexistence
- Multiple wireless devices are said to “coexist” if they can be collocated without significantly impacting the performance of any of these devices.
- The ability of one system to perform a task in a given (shared) environment where other systems may or may not be using the same set of rules.

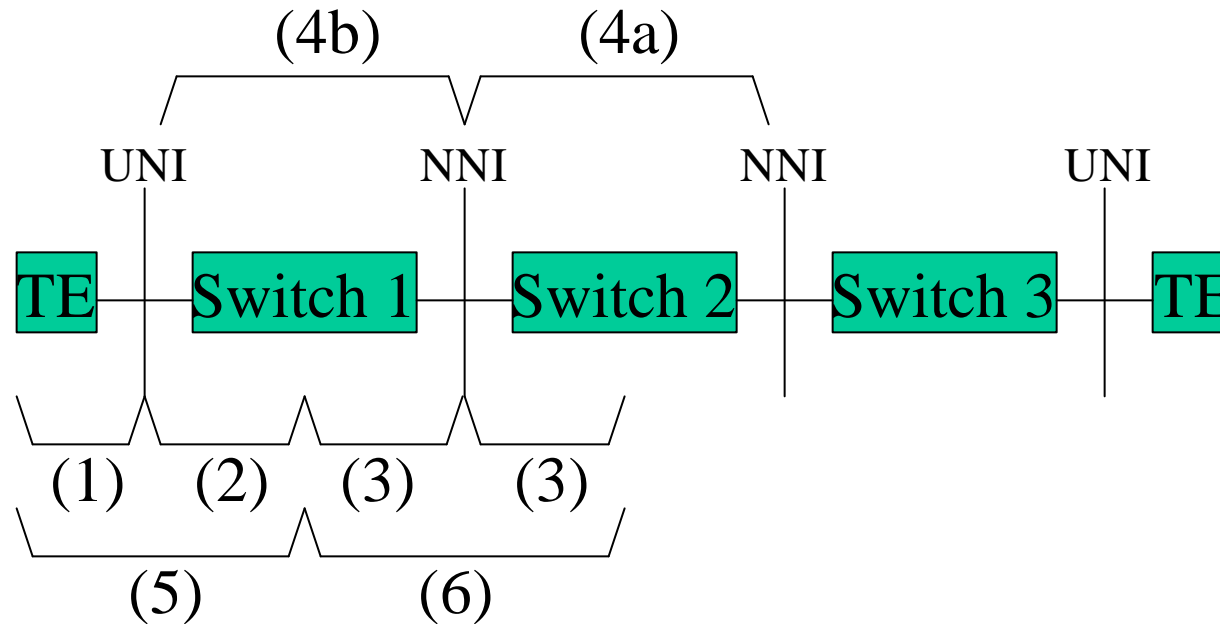
Coexistence and Interoperability_(continued)

- Interoperate - The ability for two or more systems to exchange information and to mutually use the information that has been exchanged
- Interoperability - The ability for two systems to perform a given task using a single set of rules.

Other Terms

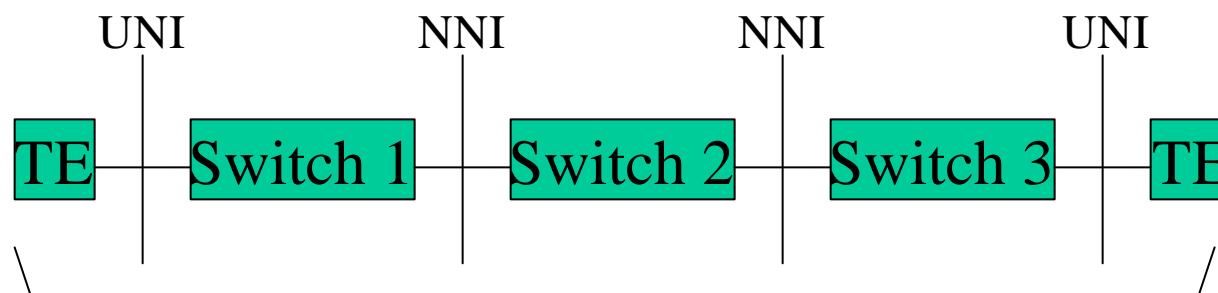
- Conformance/Conformance Testing/Conforming
- Interwork/Interworking
- Operability
- Performance/Performance Testing
- IUT, SUT, repeatability, system

Discussion

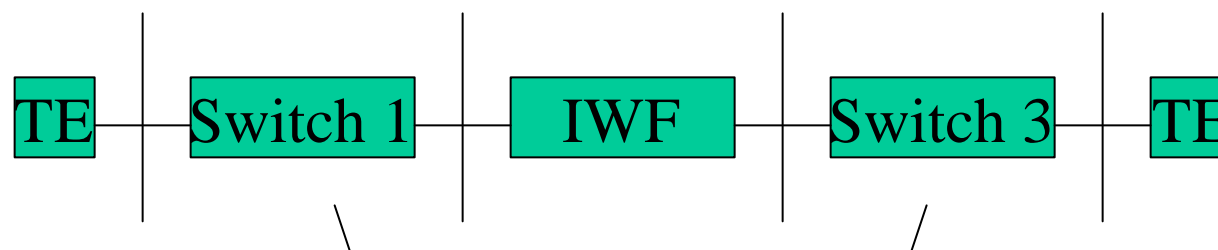


- 1 Conformance Testing (User side of UNI)
- 2 Conformance Testing (Network side of UNI)
- 3 Conformance Testing of NNI (symmetrical)
- 4a Operability
- 4b Interworking (UNI to NNI)
- 5 Interoperability of TE and Switch 1
- 6 Interoperability of Switch 1 and Switch 2

Interoperability

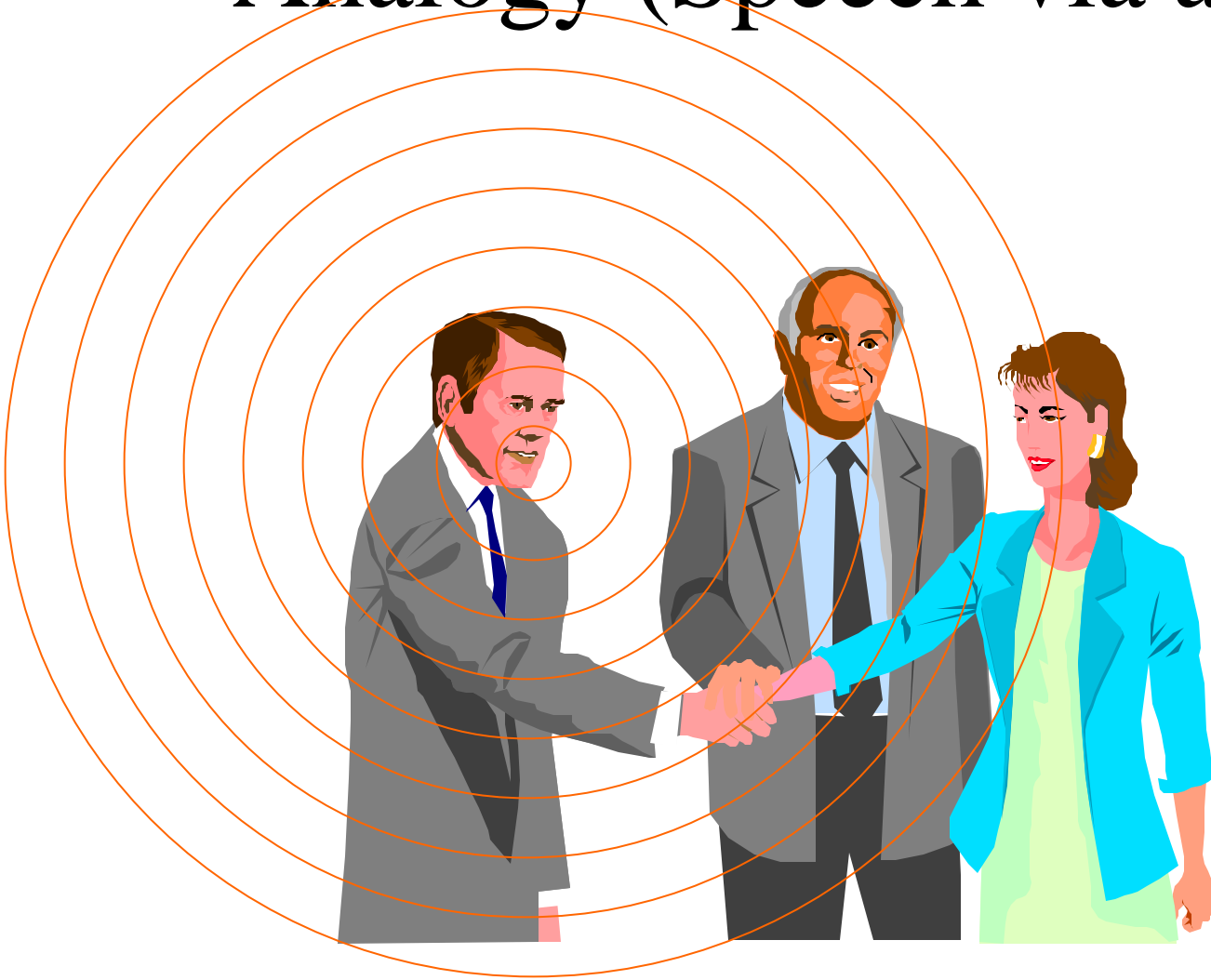


End-to-end interoperability

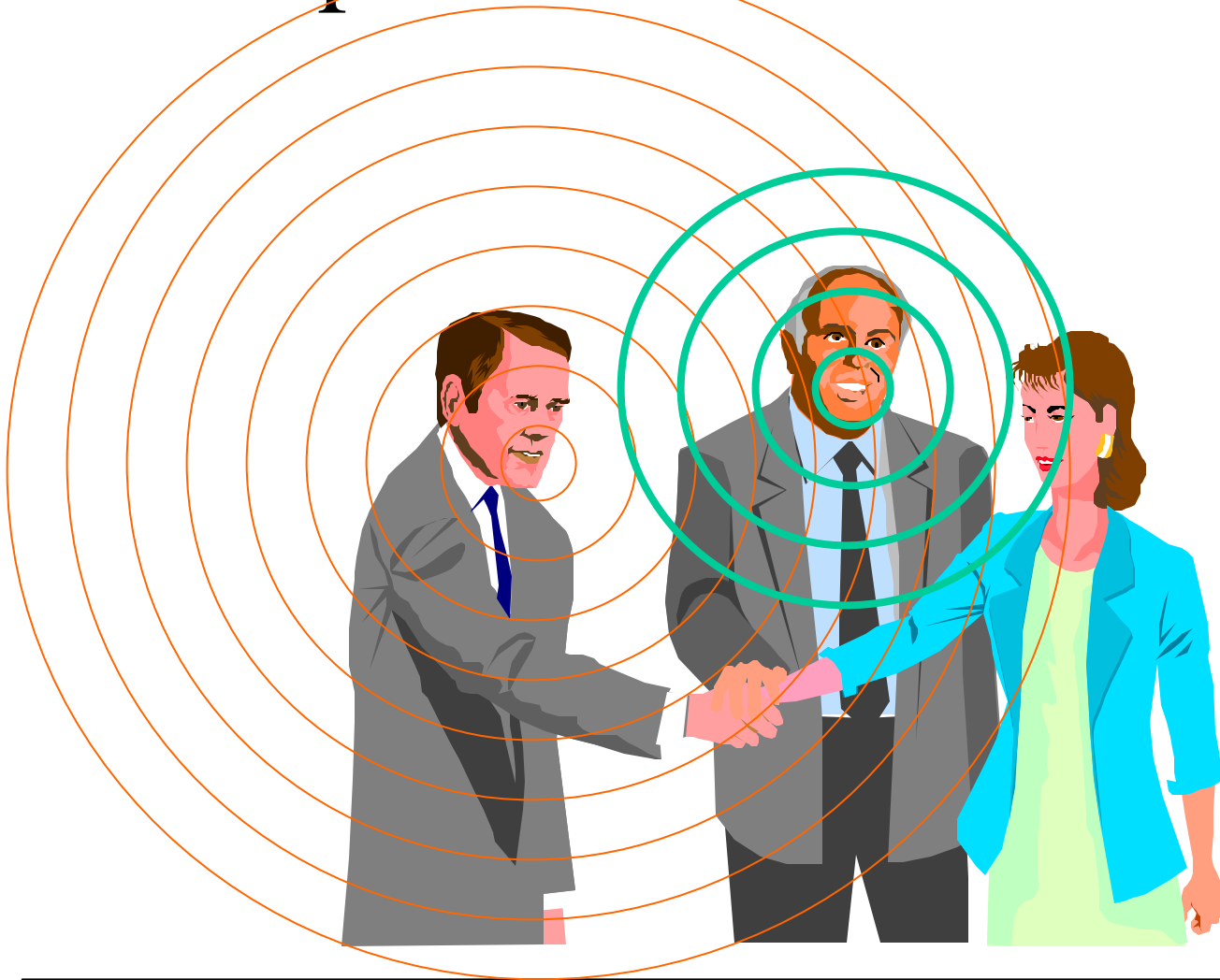


Interworking

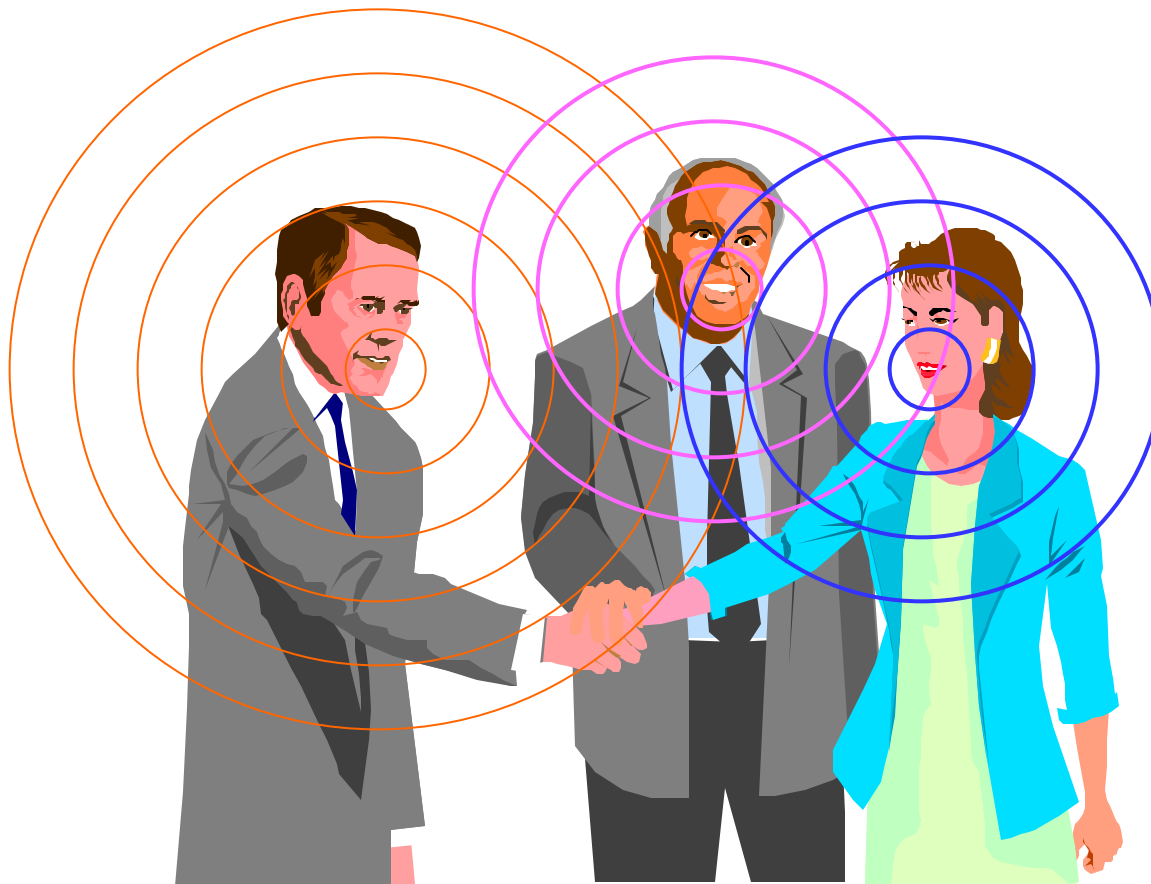
Analogy (Speech via air)



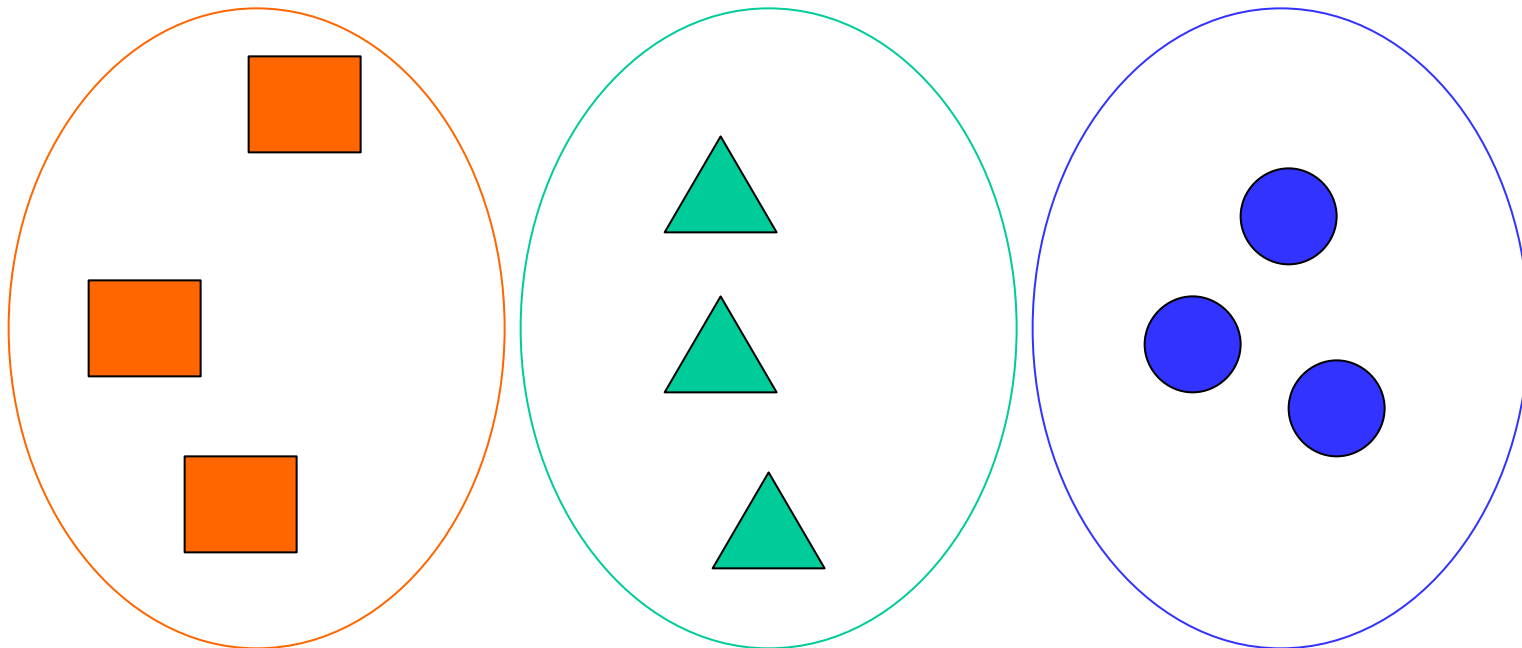
In presence of interference



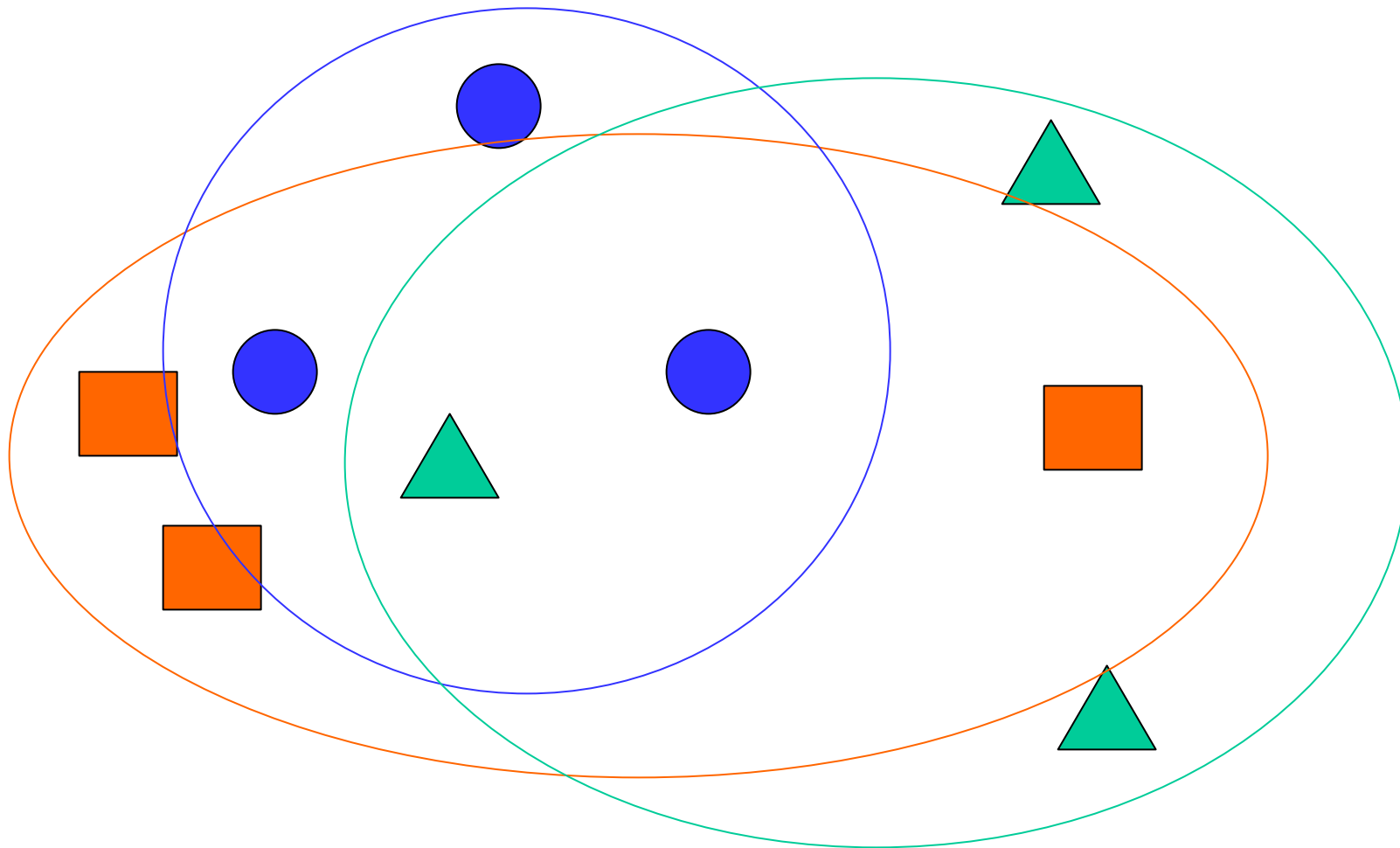
Translator



Application (normal environment)



Application (coexistence environment)



Proposals

- Agree to finer definitions on coexistence and interoperability.
- Define performance criteria to evaluate the protocols/applications.
- Define the “level of performance” where systems are defined to coexist.